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PAVEMENT MANAGEMENT

INTENSIVE SHORT COURSES

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March 3-7, 2003 Course Registration:

(UFAS Account 1-3-64924)

- ☐ Level 1: \$799 (U.S. Dollars), M-Tu
☐ Level 2: \$999 (U.S. Dollars), W-F
☐ Level 1 and Level 2: \$1,599 (U.S. Dollars), M-F

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(UFAS Account 1-3-64925)

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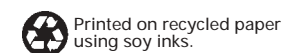
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PAVEMENT MANAGEMENT
INTENSIVE SHORT COURSES
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PAVEMENT MANAGEMENT

USING MicroPAVER



INTENSIVE SHORT COURSES
MARCH 3-7, 2003 IN PHOENIX, ARIZONA
OCTOBER 6-10, 2003 IN INDIANAPOLIS, INDIANA



Office of Continuing Education

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Toll free 877-455-2687
www.conted.uiuc.edu



These courses are for you if you are responsible for managing airport, road, or parking lot pavement.

Level 1 is for those who want to learn how to:

- Define a pavement network
- Perform a Pavement Condition Index (PCI) inspection
- Create pavement inventory
- Analyze pavement condition
- Earn Continuing Education Units

Level 2 is for those who want to learn how to:

- Develop and use pavement condition prediction models
- Analyze the consequences of different budget scenarios on future pavement condition and deferred M&R
- View pavement data using GIS
- Earn Continuing Education Units

Sponsors:

- University of Illinois at Urbana-Champaign
- Office of Continuing Education
- US Army Corp of Engineers

PAVEMENT MANAGEMENT

INTENSIVE SHORT COURSES

About the Short Courses

Participants in the Level 1 course will:

- Become familiar with the fundamentals of pavement management
- Learn how to define pavement networks and divide airports, streets, and parking lots into management units/sections
- Identify pavement distress types and severity levels
- Perform a Pavement Condition Index (PCI) inspection
- Develop pavement inventory and condition analysis reports
- Get hands-on experience in workshops using MicroPAVER for Windows

Participants in the Level 2 course will:

- Review pavement condition survey and assessment methods, including the Pavement Condition Index (PCI), roughness, nondestructive testing, and skid
- Develop pavement condition prediction models and learn how to use them for pavement condition analysis and work planning
- Perform pavement condition analysis
- Review pavement M&R preventive techniques
- Develop network-level work plans and analyze the consequences of different budget scenarios on future pavement condition and deferred M&R
- Use GIS to view pavement inventory and condition
- Get hands-on experience in workshops using MicroPAVER for Windows

The MicroPAVER System

MicroPAVER is a pavement management system beneficial for use by military installations, municipalities, airports, counties, and any other organization responsible for managing a pavement network. It allows organizations easy access to pavement inventory and inspection information, provides accurate analysis of current and future conditions, provides for graphical presentations of reports through a link with GIS software, and allows for optimization of pavement M&R even with budget restraints. Funding for MicroPAVER is provided by the U.S. Army, U.S. Air Force, U.S. Navy, Federal Aviation Administration (FAA), and the Federal Highway Administration (FHWA). The American Public Works Association and the University of Illinois have contributed significantly to the further development of MicroPAVER through monitoring field testing at many locations and providing feedback to the development team.

MicroPAVER is used worldwide by cities, counties, airport authorities, planning commissions, and universities.

Who Should Attend

If you are a municipal, county, airport, military, or state engineer, a manager, planner, or are involved in pavement management, inspection, maintenance, rehabilitation, prioritization, or budget planning, then this course can show you the most effective ways to utilize your pavement life and your pavement budget.

Participants do not need a background in computers or the application of computers for pavement management. Level 1 is recommended for participants without prior experience in pavement network definition and PCI. Level 2 is recommended for those with network definition and PCI experience or those who participated in earlier workshops and wish to receive an update of the new pavement management capabilities.



Reference Materials

Participants will receive current reports and manuals on the MicroPAVER System. The reference materials will serve the dual purpose of providing a textbook for the course as well as a valuable reference tool for your future use.

Continuing Education Units and Certificates

Each participant in the comprehensive course will receive a certificate of participation and 1.2 CEUs (Level 1) and/or 1.8 CEUs (Level 2) from the University of Illinois at Urbana-Champaign for completion of the course. CEUs are nationally recognized units of achievement which can be used as evidence of increased performance capabilities and for job advancement.

MicroPAVER Technical Assistance Center

The MicroPAVER Technical Assistance Center distributes the MicroPAVER software and software updates and provides subscribers with technical support on an annual basis. A MicroPAVER subscription provides you with MicroPAVER software and user manual, an experienced technician to answer your questions, a quarterly newsletter, and many World Wide Web services. A subscription to the Technical Assistance Center is \$750 for the first year and \$700 each additional year. An additional \$35 shipping charge applies to international orders. To subscribe to MicroPAVER, call 217-333-5414.



General Information

To Register: Preregistration is required. See the registration options on the back cover of this brochure.

Course Dates: The March 3-7, 2003 courses will be held in the Phoenix area at the Sheraton San Marcos, Chandler, AZ. Until January 31, the hotel will hold a block of sleeping rooms at a rate of \$107/single occupancy plus tax. Make your room reservations early by calling toll free 800-528-8071.

The October 6-10, 2003 courses will be held in downtown Indianapolis at the Omni Severin Hotel. Until September 5, the hotel will hold a block of sleeping rooms at a rate of \$109/single occupancy plus tax. Make your room reservations early by calling 317-634-6664.

Schedule: The Level 1 course begins with registration at 8:00 AM on Monday and the Level 2 course begins with registration at 8:00 AM on Wednesday. Each day of the courses is a full day concluding at 5 PM except Friday of the Level 2 course, which ends at noon.

Fees: The registration fee for the Level 1 course is \$799 per person, for Level 2 the registration fee is \$999 per person, or you can register for both levels at \$1,599 per person. Fees include the costs of all reference materials, computer time (one computer/person), continental breakfast, and breaks. Individual participants are responsible for their own travel, meals, and lodging expenses.

Tax Deduction for Expenses: An income tax deduction may be allowed for education expenses undertaken to maintain or improve professional skills. This includes travel, meals, and lodging (see Treas. Reg. 1.162-5; *Coughlin vs. Commissioners* 203 F 2d 307).

Mailing Lists: Since mailing lists cannot always be cross-checked, you may receive more than one brochure. If you do, please pass it along to an interested associate.

Cancellation Policy: If you register and find you cannot attend, please telephone our office toll free at 877-455-2687 prior to the start of the course. You may receive a full refund or send a substitute in your place.



Course Instructors

M.Y. Shahin

Dr. Shahin is the principal investigator on the development of the MicroPAVER System with the U.S. Army Construction Engineering Research Laboratory (CERL). Dr. Shahin has been heading the development of pavement management systems since joining CERL in 1974. He received the CERL Researcher of the Year Award for the development of the Pavement Condition Index (PCI) and the U.S. Army Research and Development Achievement Award for the development of the MicroPAVER System. Dr. Shahin received the 1991 Federal Engineer of the Year Award for his efforts in developing MicroPAVER and initiating the development of similar systems for other infrastructure facilities.

Dr. Shahin is a registered professional engineer in the State of Illinois and is a member of several societies and scientific committees. He is nationally recognized as a leader in the area of pavement management and has written many publications on the subject of pavement evaluation, maintenance, and management. As a consultant, Dr. Shahin has assisted many airports and local and international agencies in evaluating their current maintenance practices and developing maintenance and rehabilitation recommendations.

Jeff Burkhalter

Jeff Burkhalter is an associate investigator on the development of the MicroPAVER System with the U.S. Army Construction Engineering Research Laboratory. Mr. Burkhalter has been directly involved in the development of the MicroPAVER program for the last six years. As part of his duties, he manages the implementation of the program for Department of Defense installations.

In addition, he has been an instructor in over 20 short courses on pavement management, both for the University of Illinois and the Army Corps of Engineers.